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CENTRAL FAX CENTER****MAR 01 2006****Docket No. HOE96/F319CON****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Schwertfeger et al.

Group Art Unit: 1712

Appln. No.: 09/817,459

Examiner: Daniel S. Metzmaier

Filed: March 26, 2001

Confirmation No.: 1602

For: **ORGANICALLY MODIFIED AEROGELS, METHOD FOR THEIR  
PRODUCTION BY SURFACE MODIFICATION OF THE AQUEOUS  
GEL WITHOUT PREVIOUS SOLVENT EXCHANGE AND  
SUBSEQUENT DRYING AND THEIR USE THEREOF**

**OFFICIAL PAPER – Daniel S. Metzmaier****Facsimile No. 1-571-273-8300****(Total Number of Pages, including this sheet: 18)**

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**CERTIFICATE OF TRANSMISSION BY FACSIMILE**


I hereby certify that the attached paper (along with any paper referred to as attached or enclosed therein) is being transmitted *by facsimile* to the United States Patent and Trademark Office, Fax. No. 1-571-273-8300, on March 1, 2006.

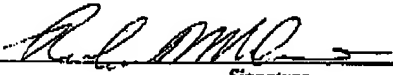
  
Kathleen M. Hadney

Enclosure: Amendment Transmittal Letter (Large Entity) (x2) and Amendment and Response to Office Action

Fax\_HOE96F319CON\_Amendment Transmittal Letter.doc

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<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b>					Docket No. <b>HOE96/F319CON</b>	
Applicant(s): <b>Schwertfeger et al.</b>						
Application No. <b>09/817, 459</b>	Filing Date <b>March 26, 2001</b>	Examiner <b>Daniel S. Metzmaier</b>	Customer No.	Group Art Unit <b>1712</b>	Confirmation No. <b>1602</b>	
Invention: <b>ORGANICALLY MODIFIED AEROGELS, METHOD FOR THEIR PRODUCTION BY SURFACE MODIFICATION OF THE AQUEOUS GEL WITHOUT PREVIOUS SOLVENT EXCHANGE AND SUBSEQUENT DRYING AND THEIR USE THEREOF</b>						
<b>COMMISSIONER FOR PATENTS:</b>						
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.						
<b>CLAIMS AS AMENDED</b>						
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE	
TOTAL CLAIMS	55 -	87 =	0	x \$50.00	\$0.00	
INDEP. CLAIMS	10 -	13 =	0	x \$200.00	\$0.00	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00	
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>	
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account <b>03-0060</b> <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17. <input type="checkbox"/> Payment by credit card. Form PTO-2038. <b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>						
 Signature			Dated: <b>March 1, 2006</b>			
<b>Robert M. Amici</b> <b>Reg. No. 52,554</b> <b>Cabot Corporation</b> <b>157 Concord Road</b> <b>Billerica, MA 01821</b>			I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____ (Date) _____ Signature of Person Mailing Correspondence _____ Typed or Printed Name of Person Mailing Correspondence			
CC:						

AMENDMENT TRANSMITTAL LETTER (Large Entry)					Docket No. HOE96/F319CON	
DUPLICATE						
Applicant(s): Schwertfeger et al.						
Application No. 09/817, 459	Filing Date March 26, 2001	Examiner Daniel S. Metzmaier	Customer No.	Group Art Unit 1712	Confirmation No. 1602	
Invention: <b>ORGANICALLY MODIFIED AEROGELS, METHOD FOR THEIR PRODUCTION BY SURFACE MODIFICATION OF THE AQUEOUS GEL WITHOUT PREVIOUS SOLVENT EXCHANGE AND SUBSEQUENT DRYING AND THEIR USE THEREOF</b>						
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Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00	
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>	
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 03-0060 <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17. <input type="checkbox"/> Payment by credit card. Form PTO-2038.						
<b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>						
 Signature			Dated: March 1, 2006			
<b>Robert M. Amici</b> Reg. No. 52,554 Cabot Corporation 157 Concord Road Billerica, MA 01821			<div style="border: 1px solid black; padding: 5px;">           I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____            (Date)         </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">           Signature of Person Mailing Correspondence         </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">           Typed or Printed Name of Person Mailing Correspondence         </div>			
cc:						

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Docket No. HOE96/F319CON

**MAR 01 2006****PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Schwertfeger et al. Examiner: Daniel S. Metzmaier  
Application No.: 09/817,459 Art Unit: 1712  
Filed: March 26, 2001 Confirmation No.: 1602  
For: **Organically Modified Aerogels, Method for their Production by  
Surface Modification of the Aqueous Gel Without Previous Solvent  
Exchange and Subsequent Drying and their Use Thereof**

Commissioner for Patents,  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

Sir:

In response to the Office Action mailed February 10, 2006, Applicants respectfully request reconsideration of the above-identified application in view of the following amendments and remarks.

**Amendments to the Claims** are shown included in the listing of claims which begins on page 2 of this response.

**Remarks** begin on page 12 of this paper.

*Page 1***BEST AVAILABLE COPY**